

ABSTRACT OF THE DISCLOSURE

Disclosed herein is an ink-jet recording system which employs an ink-jet recording apparatus comprising a recording-medium-holding part for a recording medium having an ink-receiving layer on a base material and an ink-holding part for a pigment ink to record an image on the ink-receiving layer of the recording medium fed from the recording-medium-holding part using the pigment ink fed from the ink-holding part, wherein

(1) the ink-receiving layer of the recording medium is a porous layer comprising alumina hydrate and a resin binder and has a pore volume ranging from 0.1 to 1.0 ml/g; and

(2) the pigment ink comprises an aqueous medium, a resin and a pigment, the particle diameter of the pigment substantially falls within a range of from 10 to 500 nm, and the proportion of the pigment particles having a particle diameter of 300 to 500 nm is at most 30% based on the total number of particles of the pigment.